Name of Work:Improvements and Ashalting to Babanna layout New vegetable Market Surrounding Roads in ward No-12, Shettyhalli Sub Divisionward No-12, Shettyhalli Sub Division

Detailed Measurements

Date of Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
9	**Excavation for roadwork** in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications							
	Vigneswara Layout							
	4th Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.375	10.13	
	Ch:30.0m to 60.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.375	10.13	
	Ch:60.00m to 75.00m	LHS	1	15.00	(0.90 + 0.90)/2	0.375	5.06	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90)/2	0.375	10.13	
	Ch:30.0m to 60.00m	RHS	1	30.00	(0.90 + 0.90)/2	0.375	10.13	
	Ch:60.00m to 75.00m	RHS	1	15.00	(0.90 + 0.90)/2	0.375	5.06	
	3rd Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.85 + 0.90)/2	0.375	9.84	
	Ch:30.0m to 60.00m	LHS	1	23.00	(0.90 + 0.90)/2	0.375	7.76	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.85 + 0.90)/2	0.375	9.84	
	Ch:30.0m to 60.00m	RHS	1	23.00	(0.90 + 0.90)/2	0.375	7.76	
	2nd Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.00 + 0.90)/2	0.375	5.06	
	Ch:30.0m to 60.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.375	10.13	
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.375	10.13	
	Ch:30.0m to 60.00m	LHS	1	24.00	(0.90 + 0.90)/2	0.375	8.10	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90)/2	0.375	10.13	

CIVIL TECH LABS BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:30.0m to 60.00m	RHS	1	30.00	(0.85 + 0.90) / 2	0.375	9.84	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90) / 2	0.375	10.13	
	Ch:30.0m to 60.00m	RHS	1	24.00	(0.90 + 0.90) / 2	0.375	8.10	
	1st Main Road							
	Ch:0.0m to 30.00m		1	30.00	(5.50 + 5.70) / 2	0.30	50.40	
	Ch:30.0m to 60.00m		1	30.00	(5.70 + 5.60) / 2	0.30	50.85	
	Ch:0.0m to 30.00m		1	30.00	(5.60 + 5.70) / 2	0.30	50.85	
	Ch:30.0m to 60.00m		1	17.00	(5.70 + 5.60) / 2	0.30	28.82	
	Cross Road-1 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(6.00 + 6.20) / 2	0.30	54.90	
	Ch:30.0m to 60.00m		1	30.00	(6.20 + 6.00) / 2	0.30	54.90	
	Ch:0.0m to 30.00m		1	3.00	(6.00 + 6.20) / 2	0.30	5.49	
	Cross Road-2 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(5.00 + 5.20) / 2	0.30	45.90	
	Ch:30.0m to 60.00m		1	15.00	(5.20 + 5.20) / 2	0.30	23.40	
						Present Qty	**522.95**	**Cum**

CIVIL TECH LABS BANGALORE

Assistant Engineer
Ward No-12
BBMP Bangalore

Asst. Executive Engineer,
Shettyhalli Sub division
BBMP Bangalore

Name of Work:Improvements and Ashalting to Babanna layout New vegetable Market Surrounding Roads in ward No-12, Shettyhalli Sub Divisionward No-12, Shettyhalli Sub Division

Detailed Measurements

Date of Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
10	**Compaction of original ground** by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications							
	Vigneswara Layout							
	1st Main Road							
	Ch:0.0m to 30.00m		1	30.00	(5.50 + 5.70) / 2		168.00	
	Ch:30.0m to 60.00m		1	30.00	(5.70 + 5.60) / 2		169.50	
	Ch:0.0m to 30.00m		1	30.00	(5.60 + 5.70) / 2		169.50	
	Ch:30.0m to 60.00m		1	17.00	(5.70 + 5.60) / 2		96.05	
	Cross Road-1 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(6.00 + 6.20) / 2		183.00	
	Ch:30.0m to 60.00m		1	30.00	(6.20 + 6.00) / 2		183.00	
	Ch:0.0m to 30.00m		1	3.00	(6.00 + 6.20) / 2		18.30	
	Cross Road-2 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(5.00 + 5.20) / 2		153.00	
	Ch:30.0m to 60.00m		1	15.00	(5.20 + 5.20) / 2		78.00	
						Present Qty	**1218.35**	**Sqm**

L+S - 1197.25

CIVIL TECH LABS BANGALORE

Assistant Engineer
Ward No-12
BBMP Bangalore

Asst. Executive Engineer,
Shettyhalli Sub division
BBMP Bangalore

Name of Work:Improvements and Ashalting to Babanna layout New vegetable Market Surrounding Roads in ward No-12, Shettyhalli Sub Divisionward No-12, Shettyhalli Sub Division

Detailed Measurements

Date of Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
11	Construction of **granular sub-base Grading-V** as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications							
	Vigneswara Layout							
	4th Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.15	4.05	
	Ch:30.0m to 60.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.15	4.05	
	Ch:60.00m to 75.00m	LHS	1	15.00	(0.90 + 0.90)/2	0.15	2.03	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90)/2	0.15	4.05	
	Ch:30.0m to 60.00m	RHS	1	30.00	(0.90 + 0.90)/2	0.15	4.05	
	Ch:60.00m to 75.00m	RHS	1	15.00	(0.90 + 0.90)/2	0.15	2.03	
	3rd Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.85 + 0.90)/2	0.15	3.94	
	Ch:30.0m to 60.00m	LHS	1	23.00	(0.90 + 0.90)/2	0.15	3.11	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.85 + 0.90)/2	0.15	3.94	
	Ch:30.0m to 60.00m	RHS	1	23.00	(0.90 + 0.90)/2	0.15	3.11	
	2nd Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.00 + 0.90)/2	0.15	2.03	
	Ch:30.0m to 60.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.15	4.05	
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.15	4.05	
	Ch:30.0m to 60.00m	LHS	1	24.00	(0.90 + 0.90)/2	0.15	3.24	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90)/2	0.15	4.05	

CIVIL TECH LABS BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:30.0m to 60.00m	RHS	1	30.00	$\frac{0.85 + 0.90}{2}$	0.15	3.94	
	Ch:0.0m to 30.00m	RHS	1	30.00	$\frac{0.90 + 0.90}{2}$	0.15	4.05	
	Ch:30.0m to 60.00m	RHS	1	24.00	$\frac{0.90 + 0.90}{2}$	0.15	3.24	
	1st Main Road							
	Ch:0.0m to 30.00m		1	30.00	$\frac{5.50 + 5.70}{2}$	0.15	25.20	
	Ch:30.0m to 60.00m		1	30.00	$\frac{5.70 + 5.60}{2}$	0.15	25.43	
	Ch:0.0m to 30.00m		1	30.00	$\frac{5.60 + 5.70}{2}$	0.15	25.43	
	Ch:30.0m to 60.00m		1	17.00	$\frac{5.70 + 5.60}{2}$	0.15	14.41	
	Cross Road-1 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	$\frac{6.00 + 6.20}{2}$	0.15	27.45	
	Ch:30.0m to 60.00m		1	30.00	$\frac{6.20 + 6.00}{2}$	0.15	27.45	
	Ch:0.0m to 30.00m		1	3.00	$\frac{6.00 + 6.20}{2}$	0.15	2.75	
	Cross Road-2 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	$\frac{5.00 + 5.20}{2}$	0.15	22.95	
	Ch:30.0m to 60.00m		1	15.00	$\frac{5.20 + 5.20}{2}$	0.15	11.70	
						Present Qty	**245.73**	**Cum**

EXECUTIVE ENGINEER
Bruhat Bengaluru Mahangara Palike,
Dasarahalli Division, Bengaluru-57

EXECUTIVE ENGINEER
Bruhat Bengaluru Mahangara Palike,
Dasarahalli Division, Bengaluru-57

CIVIL TECH LABS BANGALORE

Assistant Engineer
Ward No-12
BBMP Bangalore

Asst. Executive Engineer,
Shettyhalli Sub division
BBMP Bangalore

Name of Work:Improvements and Ashalting to Babanna layout New vegetable Market Surrounding Roads in ward No-12, Shettyhalli Sub Divisionward No-12, Shettyhalli Sub Division

Detailed Measurements

Date of Measurements

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
12	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to **wet mix macadam** specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications							
	Vigneswara Layout							
	4th Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.225	6.08	
	Ch:30.0m to 60.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.225	6.08	
	Ch:60.00m to 75.00m	LHS	1	15.00	(0.90 + 0.90)/2	0.225	3.04	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90)/2	0.225	6.08	
	Ch:30.0m to 60.00m	RHS	1	30.00	(0.90 + 0.90)/2	0.225	6.08	
	Ch:60.00m to 75.00m	RHS	1	15.00	(0.90 + 0.90)/2	0.225	3.04	
	3rd Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.85 + 0.90)/2	0.225	5.91	
	Ch:30.0m to 60.00m	LHS	1	23.00	(0.90 + 0.90)/2	0.225	4.66	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.85 + 0.90)/2	0.225	5.91	
	Ch:30.0m to 60.00m	RHS	1	23.00	(0.90 + 0.90)/2	0.225	4.66	
	2nd Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.00 + 0.90)/2	0.225	3.04	
	Ch:30.0m to 60.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.225	6.08	
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.225	6.08	
	Ch:30.0m to 60.00m	LHS	1	24.00	(0.90 + 0.90)/2	0.225	4.86	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90)/2	0.225	6.08	

CIVIL TECH LABS BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
	Ch:30.0m to 60.00m	RHS	1	30.00	(0.85 + 0.90) / 2	0.225	5.91	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90) / 2	0.225	6.08	
	Ch:30.0m to 60.00m	RHS	1	24.00	(0.90 + 0.90) / 2	0.225	4.86	
	1st Main Road							
	Ch:0.0m to 30.00m		1	30.00	(5.50 + 5.70) / 2	0.225	37.80	
	Ch:30.0m to 60.00m		1	30.00	(5.70 + 5.60) / 2	0.225	38.14	
	Ch:0.0m to 30.00m		1	30.00	(5.60 + 5.70) / 2	0.225	38.14	
	Ch:30.0m to 60.00m		1	17.00	(5.70 + 5.60) / 2	0.225	21.61	
	Cross Road-1 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(6.00 + 6.20) / 2	0.225	41.18	
	Ch:30.0m to 60.00m		1	30.00	(6.20 + 6.00) / 2	0.225	41.18	
	Ch:0.0m to 30.00m		1	3.00	(6.00 + 6.20) / 2	0.225	4.12	
	Cross Road-2 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(5.00 + 5.20) / 2	0.225	34.43	
	Ch:30.0m to 60.00m		1	15.00	(5.20 + 5.20) / 2	0.225	17.55	
						Present Qty	**368.60**	**Cum**

CIVIL TECH LABS BANGALORE

Assistant Engineer
Ward No-12
BBMP Bangalore

Asst. Executive Engineer,
Shettyhalli Sub division
BBMP Bangalore

Name of Work:Improvements and Ashalting to Babanna layout New vegetable Market Surrounding Roads in ward No-12, Shettyhalli Sub Divisionward No-12, Shettyhalli Sub Division

Detailed Measurements

Date of Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
13	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications							
	Vigneswara Layout							
	4th Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.90 + 0.90) / 2		27.00	
	Ch:30.0m to 60.00m	LHS	1	30.00	(0.90 + 0.90) / 2		27.00	
	Ch:60.00m to 75.00m	LHS	1	15.00	(0.90 + 0.90) / 2		13.50	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90) / 2		27.00	
	Ch:30.0m to 60.00m	RHS	1	30.00	(0.90 + 0.90) / 2		27.00	
	Ch:60.00m to 75.00m	RHS	1	15.00	(0.90 + 0.90) / 2		13.50	
	3rd Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.85 + 0.90) / 2		26.25	
	Ch:30.0m to 60.00m	LHS	1	23.00	(0.90 + 0.90) / 2		20.70	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.85 + 0.90) / 2		26.25	
	Ch:30.0m to 60.00m	RHS	1	23.00	(0.90 + 0.90) / 2		20.70	
	2nd Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.00 + 0.90) / 2		13.50	
	Ch:30.0m to 60.00m	LHS	1	30.00	(0.90 + 0.90) / 2		27.00	
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.90 + 0.90) / 2		27.00	
	Ch:30.0m to 60.00m	LHS	1	24.00	(0.90 + 0.90) / 2		21.60	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90) / 2		27.00	

CIVIL TECH LAB BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:30.0m to 60.00m	RHS	1	30.00	(0.85 + 0.90) / 2		26.25	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90) / 2		27.00	
	Ch:30.0m to 60.00m	RHS	1	24.00	(0.90 + 0.90) / 2		21.60	
	1st Main Road							
	Ch:0.0m to 30.00m		1	30.00	(5.50 + 5.70) / 2		168.00	
	Ch:30.0m to 60.00m		1	30.00	(5.70 + 5.60) / 2		169.50	
	Ch:0.0m to 30.00m		1	30.00	(5.60 + 5.70) / 2		169.50	
	Ch:30.0m to 60.00m		1	17.00	(5.70 + 5.60) / 2		96.05	
	Cross Road-1 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(6.00 + 6.20) / 2		183.00	
	Ch:30.0m to 60.00m		1	30.00	(6.20 + 6.00) / 2		183.00	
	Ch:0.0m to 30.00m		1	3.00	(6.00 + 6.20) / 2		18.30	
	Cross Road-2 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(5.00 + 5.20) / 2		153.00	
	Ch:30.0m to 60.00m		1	15.00	(5.20 + 5.20) / 2		78.00	
						Present Qty	**1638.20**	**Sqm**

CIVIL TECH LABS BANGALORE

Assistant Engineer
Ward No-12
BBMP Bangalore

Asst. Executive Engineer,
Shettyhalli Sub division
BBMP Bangalore

Name of Work:Improvements and Ashalting to Babanna layout New vegetable Market Surrounding Roads in ward No-12, Shettyhalli Sub Divisionward No-12, Shettyhalli Sub Division

Detailed Measurements

Date of Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
14	Providing and **applying tack coat** using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications							
	Vigneswara Layout							
	4th Main							
	Ch:0.0m to 30.00m		1	30.00	(5.00 + 5.10)/2		151.50	
	Ch:30.0m to 60.00m		1	30.00	(5.10 + 4.90)/2		150.00	
	Ch:60.00m to 75.00m		1	15.00	(4.90 + 5.00)/2		74.25	
	3rd Main							
	Ch:0.0m to 30.00m		1	30.00	(6.00 + 6.00)/2		180.00	
	Ch:30.0m to 60.00m		1	23.00	(6.00 + 6.00)/2		138.00	
	2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(6.00 + 6.10)/2		181.50	
	Ch:30.0m to 60.00m		1	30.00	(6.10 + 6.10)/2		183.00	
	Ch:0.0m to 30.00m		1	30.00	(6.10 + 5.90)/2		180.00	
	Ch:30.0m to 60.00m		1	24.00	(5.90 + 6.00)/2		142.80	
	1st Main Road							
	Ch:0.0m to 30.00m		1	30.00	(5.50 + 5.70)/2		168.00	
	Ch:30.0m to 60.00m		1	30.00	(5.70 + 5.60)/2		169.50	
	Ch:0.0m to 30.00m		1	30.00	(5.60 + 5.70)/2		169.50	
	Ch:30.0m to 60.00m		1	17.00	(5.70 + 5.60)/2		96.05	
	Cross Road-1 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(6.00 + 6.20)/2		183.00	

CIVIL TECH LAB BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
	Ch:30.0m to 60.00m		1	30.00	6.20 + 6.00 / 2		183.00	
	Ch:0.0m to 30.00m		1	3.00	6.00 + 6.20 / 2		18.30	
	Cross Road-2 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	5.00 5.20 / 2		153.00	
	Ch:30.0m to 60.00m		1	15.00	5.20 + 5.20 / 2		78.00	
						Present Qty	**2599.40**	**Sqm**

CIVIL TECH LABS BANGALORE

LTD - 2587.38

Assistant Engineer
Ward No-12
BBMP Bangalore

Asst. Executive Engineer,
Shettyhalli Sub division
BBMP Bangalore

Name of Work:Improvements and Ashalting to Babanna layout New vegetable Market Surrounding Roads in ward No-12, Shettyhalli Sub Divisionward No-12, Shettyhalli Sub Division

Date of Measurements | Detailed Measurements

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
15	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 505 of MORTH V revisionusing 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen							
	Vigneswara Layout							
	4th Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.05	1.35	
	Ch:30.0m to 60.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.05	1.35	
	Ch:60.00m to 75.00m	LHS	1	15.00	(0.90 + 0.90)/2	0.05	0.68	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90)/2	0.05	1.35	
	Ch:30.0m to 60.00m	RHS	1	30.00	(0.90 + 0.90)/2	0.05	1.35	
	Ch:60.00m to 75.00m	RHS	1	15.00	(0.90 + 0.90)/2	0.05	0.68	
	3rd Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.85 + 0.90)/2	0.05	1.31	
	Ch:30.0m to 60.00m	LHS	1	23.00	(0.90 + 0.90)/2	0.05	1.04	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.85 + 0.90)/2	0.05	1.31	
	Ch:30.0m to 60.00m	RHS	1	23.00	(0.90 + 0.90)/2	0.05	1.04	
	2nd Main							
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.00 + 0.90)/2	0.05	0.68	
	Ch:30.0m to 60.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.05	1.35	
	Ch:0.0m to 30.00m	LHS	1	30.00	(0.90 + 0.90)/2	0.05	1.35	
	Ch:30.0m to 60.00m	LHS	1	24.00	(0.90 + 0.90)/2	0.05	1.08	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90)/2	0.05	1.35	

CIVIL TECH LAB BANGALORE

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

Item No	Discription of Item	Side	No	Length	Breadth	Depth	Qty	Unit
	Ch:30.0m to 60.00m	RHS	1	30.00	(0.85 + 0.90) / 2	0.05	1.31	
	Ch:0.0m to 30.00m	RHS	1	30.00	(0.90 + 0.90) / 2	0.05	1.35	
	Ch:30.0m to 60.00m	RHS	1	24.00	(0.90 + 0.90) / 2	0.05	1.08	
	1st Main Road							
	Ch:0.0m to 30.00m		1	30.00	(5.50 + 5.70) / 2	0.05	8.40	
	Ch:30.0m to 60.00m		1	30.00	(5.70 + 5.60) / 2	0.05	8.48	
	Ch:0.0m to 30.00m		1	30.00	(5.60 + 5.70) / 2	0.05	8.48	
	Ch:30.0m to 60.00m		1	17.00	(5.70 + 5.60) / 2	0.05	4.80	
	Cross Road-1 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(6.00 + 6.20) / 2	0.05	9.15	
	Ch:30.0m to 60.00m		1	30.00	(6.20 + 6.00) / 2	0.05	9.15	
	Ch:0.0m to 30.00m		1	3.00	(6.00 + 6.20) / 2	0.05	0.92	
	Cross Road-2 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(5.00 + 5.20) / 2	0.05	7.65	
	Ch:30.0m to 60.00m		1	15.00	(5.20 + 5.20) / 2	0.05	3.90	
						Present Qty	**81.91**	**Cum**

CIVIL TECH LABS BANGALORE

Assistant Engineer
Ward No-12
BBMP Bangalore

Asst. Executive Engineer,
Shettyhalli Sub division
BBMP Bangalore

Name of Work: Improvements and Ashalting to Babanna layout New vegetable Market Surrounding Roads in ward No-12, Shettyhalli Sub Divisionward No-12, Shettyhalli Sub Division

Detailed Measurements

Date of Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
16	Providing and laying **bituminous concrete** using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications Clause 507 of MORTH V revision using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-ll (30 mm to 45 mm) with 5.4% VG-30 Bitumen							
	Vigneswara Layout							
	4th Main							
	Ch:0.0m to 30.00m		1	30.00	(5.00 + 5.10)/2	0.04	6.06	
	Ch:30.0m to 60.00m		1	30.00	(5.10 + 4.90)/2	0.04	6.00	
	Ch:60.00m to 75.00m		1	15.00	(4.90 + 5.00)/2	0.03	2.23	
	3rd Main							
	Ch:0.0m to 30.00m		1	30.00	(6.00 + 6.00)/2	0.04	7.20	
	Ch:30.0m to 60.00m		1	23.00	(6.00 + 6.00)/2	0.04	5.52	
	2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(6.00 + 6.10)/2	0.04	7.26	
	Ch:30.0m to 60.00m		1	30.00	(6.10 + 6.10)/2	0.04	7.32	
	Ch:0.0m to 30.00m		1	30.00	(6.10 + 5.90)/2	0.04	7.20	
	Ch:30.0m to 60.00m		1	24.00	(5.90 + 6.00)/2	0.04	5.71	
	1st Main Road							
	Ch:0.0m to 30.00m		1	30.00	(5.50 + 5.70)/2	0.03	5.04	
	Ch:30.0m to 60.00m		1	30.00	(5.70 + 5.60)/2	0.03	5.09	
	Ch:0.0m to 30.00m		1	30.00	(5.60 + 5.70)/2	0.03	5.09	
	Ch:30.0m to 60.00m		1	17.00	(5.70 + 5.60)/2	0.03	2.88	
	Cross Road-1 frm 2nd Main							
	Ch:0.0m to 30.00m		1	30.00	(6.00 + 6.20)/2	0.03	5.40	

CIVIL TECH LAB BANGALORE

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ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

Discription of Item		No	Length	Breadth	Depth	Qty	Unit
Ch:0.0m to 30.00m		1	30.00	2	0.03	5.49	
Ch:30.0m to 60.00m		1	30.00	6.20 + 6.00 / 2	0.03	5.49	
Ch:0.0m to 30.00m		1	3.00	6.00 + 6.20 / 2	0.03	0.55	
Cross Road-2 frm 2nd Main							
Ch:0.0m to 30.00m		1	30.00	5.00 + 5.20 / 2	0.03	4.59	
Ch:30.0m to 60.00m		1	15.00	5.20 + 5.20 / 2	0.03	2.34	
					Present Qty	**91.05**	**Cum**

CIVIL TECH LABS BANGALORE

Assistant Engineer
Ward No-12
BBMP Bangalore

Asst. Executive Engineer,
Shettyhalli Sub division
BBMP Bangalore

Name of Work:Improvements and Ashalting to Babanna layout New vegetable Market Surrounding Roads in ward No-12, Shettyhalli Sub Divisionward No-12, Shettyhalli Sub Division

Date of Measurements | Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
17	**Road Marking with Hot Applied Thermoplastic Compound** with Reflectrising Glass Beads on Bituminous Surface/ Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications.							
	Vigneswara Layout							
	4th Main							
	Ch:0.0m to 30.00m							
	Ch:30.0m to 60.00m		2	30.00	0.10		6.00	
	Ch:60.00m to 75.00m		2	30.00	0.10		6.00	
	3rd Main		2	15.00	0.10		3.00	
	Ch:0.0m to 30.00m							
	Ch:30.0m to 60.00m		2	30.00	0.10		6.00	
	2nd Main		2	23.00	0.10		4.60	
	Ch:0.0m to 30.00m							
	Ch:30.0m to 60.00m		2	30.00	0.10		6.00	
	Ch:0.0m to 30.00m		2	30.00	0.10		6.00	
	Ch:30.0m to 60.00m		2	30.00	0.10		6.00	
	1st Main Road		2	24.00	0.10		4.80	
	Ch:0.0m to 30.00m							
	Ch:30.0m to 60.00m		2	30.00	0.10		6.00	
	Ch:0.0m to 30.00m		2	30.00	0.10		6.00	
	Ch:30.0m to 60.00m		2	30.00	0.10		6.00	
	Cross Road-1 frm 2nd Main		2	17.00	0.10		3.40	
	Ch:0.0m to 30.00m							
	Ch:30.0m to 60.00m		2	30.00	0.10		6.00	
	Ch:0.0m to 30.00m		2	30.00	0.10		6.00	
	Cross Road-2 frm 2nd Main		2	3.00	0.10		0.60	
	Ch:0.0m to 30.00m							
	Ch:30.0m to 60.00m		2	30.00	0.10		6.00	
			2	15.00	0.10		3.00	
						Present Qty	**91.40**	**Sqm**

CIVIL TECH LABS BANGALORE

Assistant Engineer
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